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# NASA Procedural Requirements

**COMPLIANCE IS MANDATORY**

**NPR 8715.1**

Effective Date: August 09,

1999

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30, 2011

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## Subject: NASA Occupational Safety and Health Programs w/Change 3 (02/13/06)

Responsible Office: Office of Safety and Mission Assurance

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## CHAPTER 3. Standards

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### 3.1 Compliance With OSHA and NASA Standards

3.1.1 NASA will comply with safety and health standards promulgated under Section 6 of the Act, except where alternate/supplemental standards have been approved by the Secretary of Labor and NASA Headquarters ([Requirement 22123](#)).

3.1.2 Approval for variances from OSHA standards may be obtained by submitting proposed alternate or supplementary standards to the DASHO for coordination and approval by the Secretary of Labor. Alternate or supplemental standards will normally be adopted as NASA-wide standards. (Examples include the alternate NASA Crane Safety Standard and the supplemental Explosives Safety Standard.)

3.1.3 Approval for variances from NASA standards will be accomplished per variance requirements in NPR 8715.3, "NASA Safety Manual." Nonconformances with unique NASA-developed standards for which there are no OSHA standards will only require approval within NASA.

### 3.2 Alternate Standards

3.2.1 NASA may develop unique alternate safety and health standards provided such standards are approved in accordance with 29 CFR Part 1960.17. The DASHO (or designee) will serve as the Headquarters coordinator for review of alternate standards and will prepare necessary material for interagency review with the DOL. Requests for alternate standards will be coordinated with employees or their representatives and will not be approved unless the alternate standard provides equivalent or greater protection for affected employees.

3.2.2 In developing and submitting alternate standards, NASA shall provide the following information:

3.2.2.1 A statement of why NASA cannot comply with the OSHA standard or wants to adopt an alternate standard ([Requirement 31552](#)).

3.2.2.2 The proposed alternate standard ([Requirement 31553](#)).

3.2.2.3 An explanation of how the alternate standard provides equivalent or greater protection for the affected employees ([Requirement 31554](#)).

3.2.2.4 A description of interim protective measures employed pending approval of the standard ([Requirement 31555](#)).

3.2.2.5 A written summary of comments, if any, from interested employees, their representatives, or the applicable safety and health committee ([Requirement 31556](#)).

### 3.3 Supplementary Standards

3.3.1 NASA may develop unique supplementary safety and health standards, when no OSHA standard or Voluntary Consensus Standard exists, provided such standards are approved in accordance with 29 CFR Part 1960.18. When

a standard will be applicable NASA-wide, the standard will be issued as a NASA safety or health standard. The NASA organization proposing the supplementary standard will act as the lead in developing the standard. The DASHO (or designee) will coordinate Agencywide and interagency reviews and approval, and may publish the standard in its final form.

3.3.2 In developing and submitting supplemental standards, NASA shall provide the following information:

3.3.2.1 A statement of why NASA requires the development of the supplemental standard ([Requirement 31557](#)).

3.3.2.2 The proposed supplemental standard ([Requirement 31558](#)).

3.3.2.3 An explanation of how the supplemental standard provides protection for the affected employees ([Requirement 31559](#)).

3.3.2.4 A description of interim protective measures employed pending approval of the standard ([Requirement 31560](#)).

3.3.2.5 A written summary of comments, if any, from interested employees, their representatives, or the applicable safety and health committee ([Requirement 31561](#)).

### **3.4 NASA-Originated Standards**

Unique NASA operations, materials, facilities, equipment, procedures, and practices may require establishment of supplementary safety and health standards. The following are NASA-originated standards:

- a. NASA STD 8719.7, Facility System Safety Guidebook.
- b. NASA-STD-8719.8, Expendable Launch Vehicle Payload Safety Review Process Standard.
- c. NASA-STD-8719.9, Standard for Lifting Devices and Equipment.
- d. NASA-STD-8719.11, Safety Standard for Fire Protection
- e. NASA-STD-8719.13, Software Safety Standard.
- f. NSS/WS-1740.10, NASA Safety Standard for Underwater Facility and Non-Open Water Operations.
- g. NSS 1740.12, Safety Standard for Explosives, Propellants, and Pyrotechnics.
- h. NSS 1740.14, Guidelines and Assessment Procedures for Limiting Orbital Debris.

### **3.5 NASA Alternate/Supplemental Standards**

- a. NASA-STD-8719.9, Appendix A, Alternate Standard for Suspended Load Operations.
- b. NSS 1740.12, Safety Standard for Explosives, Propellants, and Pyrotechnics (approved by OSHA for use as a supplemented standard).

### **3.6 NASA Procurements**

When it is determined by the Center or program official approving the procurement request, in conjunction with the Center or Component Facility safety and/or health office(s), that NASA safety and/or health standards are required in statements of work, solicitations, and contracts, such standards will be identified and cited for all places where NASA employees work ([Requirement 22160](#)).

### **3.7 Distribution and Availability of NASA Standards**

3.7.1 NASA Safety and Mission Assurance Standards and NASA Health Standards will be available through the NASA Technical Standards Program at <http://standards.nasa.gov>.

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